

King County Metro Transit and the First Hill Streetcar

Seattle Transportation Committee

March 9, 2010



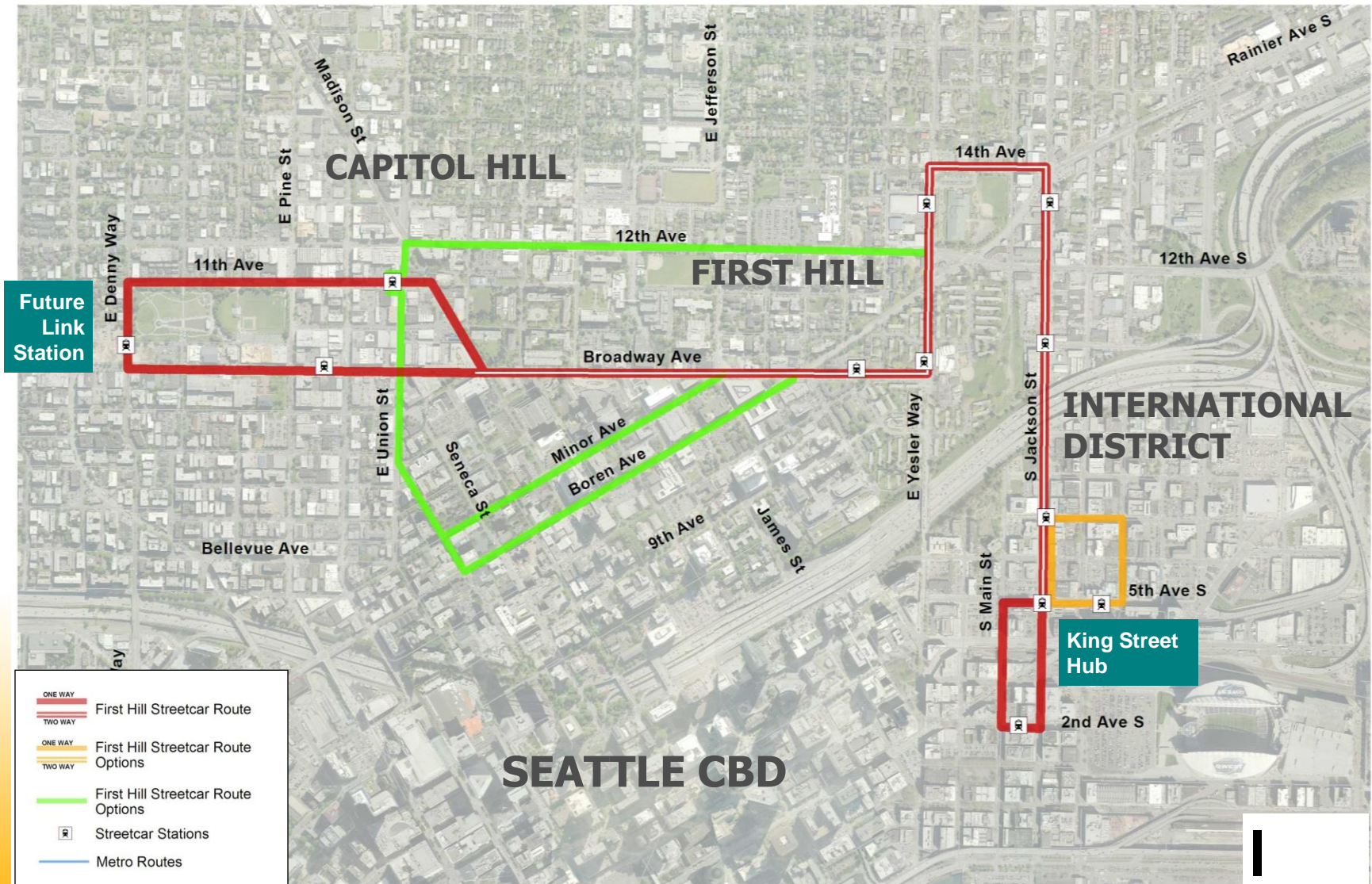
**King County
METRO**

We'll Get You There.

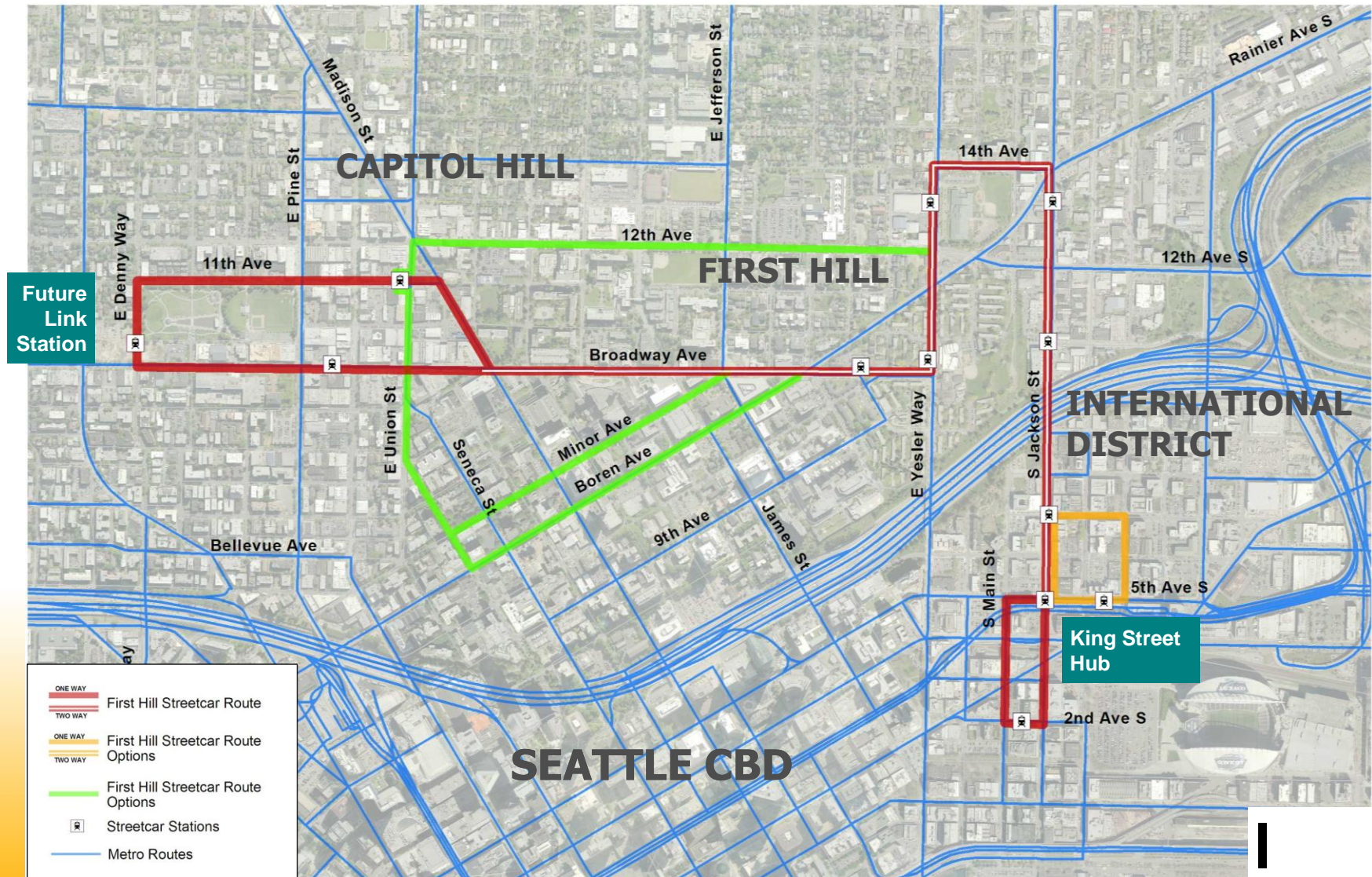
First Hill Streetcar and Metro

- 1. Service network and coordination**
- 2. Transit circulation**
- 3. Trolley and streetcar integration**
- 4. Construction**

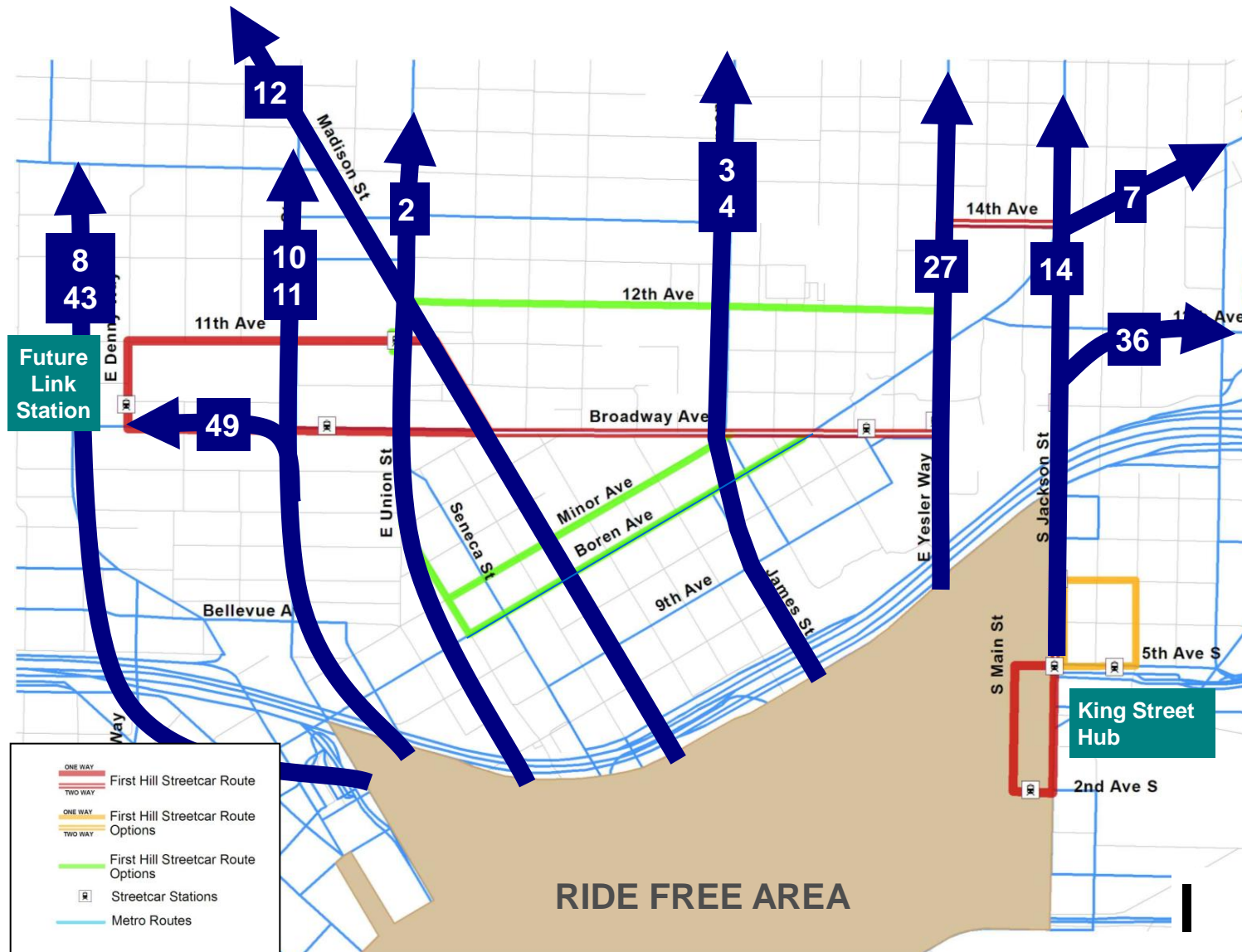
Focus Area



Service Network & Coordination



Service Network: East-West

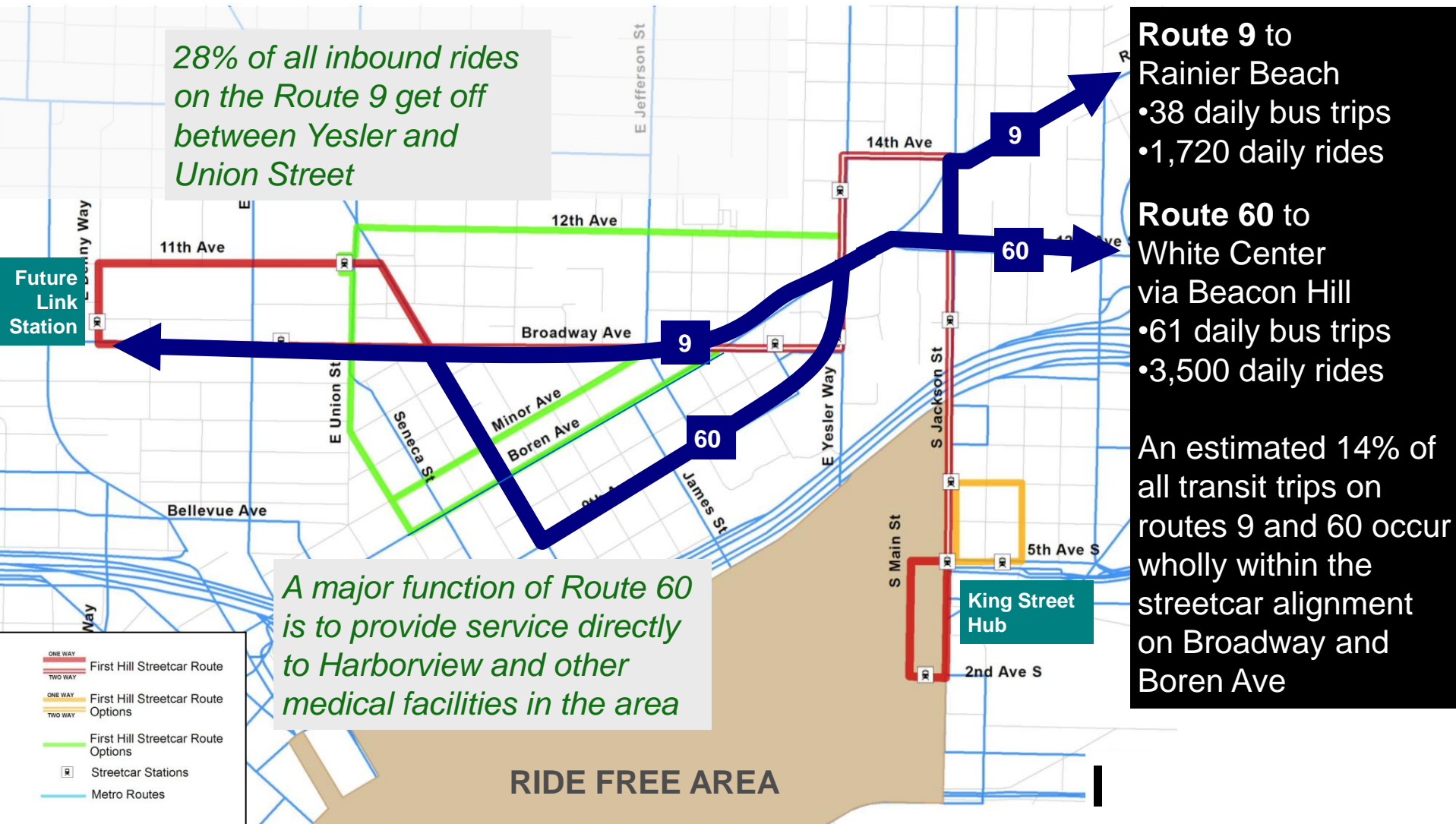


East-west services in the Streetcar alignment continue to Capitol/First Hill, the University District, East Capitol Hill, Madison Park, the Central District, Madrona, Beacon Hill and the Rainier Valley.

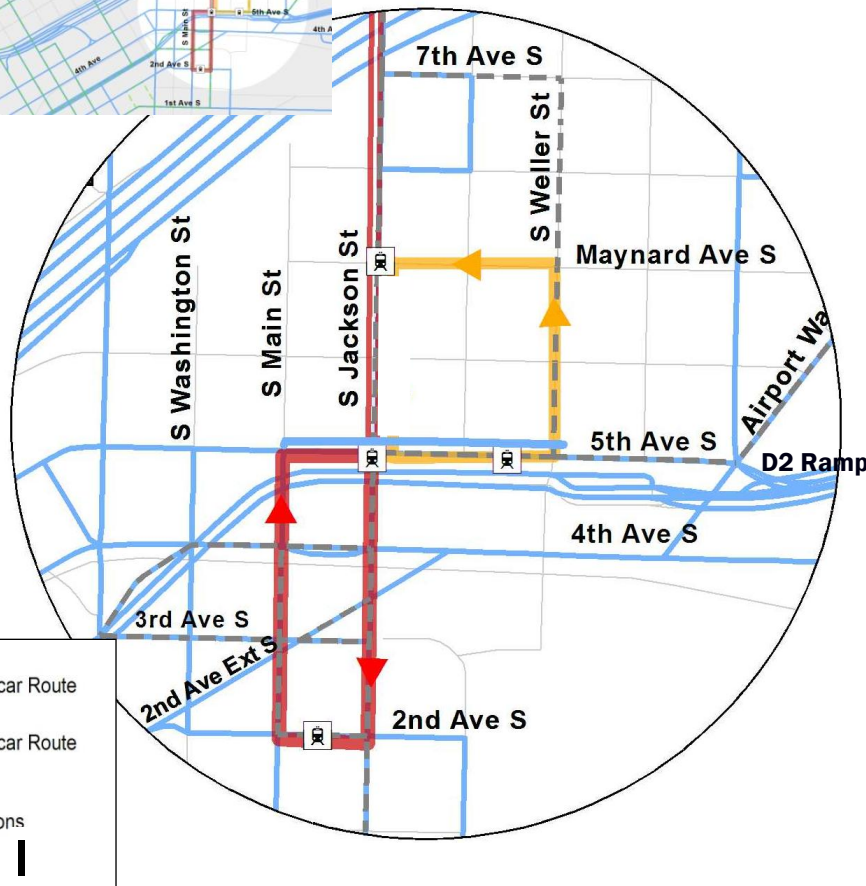
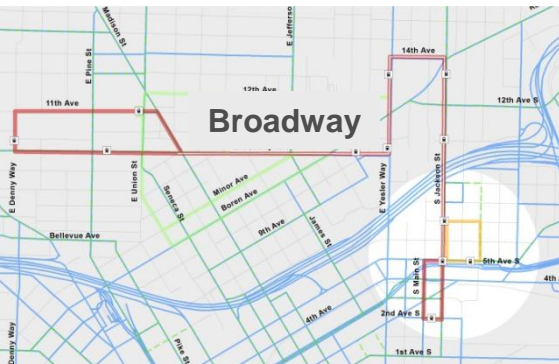
In Total

- More than 1,700 daily bus trips
- More than 63,000 daily rides

Service Network: North-South



Transit Circulation: Hot Spots



Jackson Street

- More than 760 bus trips and 17,000 rides per day
- High trolley volumes and complex trolley intersections

Weller Street Loop

- Impacts about 600 daily bus trips on 5th Ave S with I-90 services and all trolley bus trips to and from the base

Pioneer Square Loop

- Impacts north-south movement on 4th Ave S and 2nd Ave Ext S, with more than 2,000 daily bus trips
- Impacts about 200 daily I-90 service bus trips on 5th Ave S. Overlaps trolley deadhead route on Jackson between 1st and 5th

Broadway

- Congested, constrained corridor
- Trolley route to base

Trolley-Streetcar Integration



More complex than South Lake Union

- More overhead
- More routes
- More service
- More hills



First Hill

- Approximately 18-23 intersections affected versus 4
- Approximately 45 crossings versus 6

 Trolley wire present

 Trolley-streetcar intersection

A View of a Crossing



Current crossing hardware along South Lake Union



12th & Jackson:
Example with multiple crossings in a one intersection



Crossing example for systems with same voltages

Construction

1. Preserving trolley pathways
2. Maintaining service quality
3. Coordinating with Alaskan Way Viaduct construction schedule

Figure 12. Construction Step 1, Excavate Trackway Trench



Figure 13. Construction Step 2, Install Rebar and Rails



Thank you